

NUCLEAR CRITICALITY SAFETY PROGRAM (NCSP) TECHNICAL SEMINAR

MARCH 1-2, 2011
OAK RIDGE NATIONAL LABORATORY
Building 5200 Tennessee Conference Room 202C

FINAL AGENDA

8:30 AM - 5:30 PM

Tuesday, 1 March 2011

WELCOME AND INTRODUCTION

Jerry McKamy
Jim Felty

CSSG Activities

Calvin Hopper

NCSP TECHNICAL PROGRAM ELEMENTS TO BE PRESENTED

INTERNATIONAL CRITICALITY SAFETY BENCHMARK EXPERIMENTS
ANALYTICAL METHODS
INTEGRAL EXPERIMENTS
INFORMATION PRESERVATION AND DISSEMINATION
NUCLEAR DATA
TRAINING AND EDUCATION

8:45 AM

INTERNATIONAL CRITICALITY SAFETY BENCHMARK EXPERIMENTS

INL

Accomplishments of the International Criticality Safety
Benchmark Evaluation Project (ICSBEP) During 2010

Blair Briggs

OPEN DISCUSSION

ALL

10:30 AM - 10:45 AM

BREAK

10:45 AM

ANALYTICAL METHODS

ORNL

ORNL NCSP FY10 Overview and RSICC and AMPX
Accomplishments

Mike Dunn

ORNL

SCALE Developments for Criticality Safety

Brad Rearden

ORNL

SILENE Benchmark Critical Experiment for CAAS

Thomas Miller

LLNL

PREPRO Accomplishments

Dave Heinrichs

LLNL

COG11 Accomplishments

Dave Heinrichs

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MARCH 1-2, 2011

12:30 PM - 1:30 PM	LUNCH
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1:30 PM	ANALYTICAL METHODS <i>(continued)</i>		
	LANL	MCNP Developments	Forrest Brown
	OPEN DISCUSSION		ALL
	INTEGRAL EXPERIMENTS		
	INL	Accomplishments of the Matériaux en Interaction et Réflexion Toutes Epaisseurs (MIRTE) Program During 2010	Blair Briggs
	SNL	Results from the Seven Percent Critical Experiment	Gary Harms
	INL	Efforts to Understand Discrepancies between Subcritical Measurements Analysis Techniques	Blair Briggs
	LANL	The Reality of Subcritical Neutron Measurements and How They can Differ with what Your Favorite Neutron Physics Code is Telling You	Bill Myers
	LANL	Characterization of Cf-252 Source CF-52 For Use in Subcritical Measurements	Jesson Hutchinson

3:30 PM - 3:45 PM	BREAK
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3:45 PM	INTEGRAL EXPERIMENTS <i>(continued)</i>		
	LANL	The Design and Application of the Pulse Arrival-Time Module for Passive and Active Subcritical Neutron Measurements	Gaetano Arnone
	LANL	Current Capabilities for Generating List-Mode Data for Simulated Subcritical Neutron Measurements Using MCNP	Avneet Sood
	LANL	Analysis Software for Active and Passive Subcritical Neutron Measurements	Sheila Melton
	LANL	Planning for CEF Experimentss for Stockpile Stewardship and Global Security	Bob Little
	LANL	Current CEF/DAF Operational Update and Schedule	Bill Myers Steve Clement
	SAIC	Draft Five Year Schedule of Prioritized NCSP Experiments	Nichole Ellis
	ORNL	SCALE/TSUNAMI Assessment of Postulated Critical Experiments for Testing of Neutron Cross Sections for Cr, Mn, and Mo	Davis Reed

5:30 PM	ADJOURN
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Wednesday, 2 March 2011

8:30 AM

INTEGRAL EXPERIMENTS (continued)

LLNL	Criticality Alarm System Testing at LLNL, UC-Davis and CEA-Valduc	Mike Dulik
LLNL	Nuclear Accident Dosimetry Exercises at CEA-Valduc	Andrew Wysong
OPEN DISCUSSION		ALL

INFORMATION PRESERVATION AND DISSEMINATION

ANL	Collection and Preservation of the Inventory Records of the ANL ZPR/ZPPR Materials	Dick McKnight
LLNL	IER Form Accomplishments	Chuck Lee
LLNL	Nuclear Data Request Form Accomplishments	Chuck Lee

10:30 AM - 10:45 AM

BREAK

10:45 AM

INFORMATION PRESERVATION AND DISSEMINATION (continued)

HANFORD	ARH-600, Actinide Integral Cross Section Progress and Anomalies Report	Ray Puigh
LLNL	CSE Searchable Database Accomplishments	Chuck Lee
LLNL	NCSP Website Accomplishments	Chuck Lee
OPEN DISCUSSION		ALL

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12:30 PM - 1:30 PM	LUNCH
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1:30 PM	NUCLEAR DATA		
	ANL	Testing and QA of Nuclear Data for the NCSP	Dick McKnight
	BNL	Status of the ENDF/B-VII.1 Library	Mike Herman
	LANL	NJOY Developments and Los Alamos Nuclear Data Accomplishments	Skip Kahler
	LLNL	Delayed Fission Gammas	Dave Heinrichs
	ORNL	Nuclear Data Accomplishments for FY 2010	Mike Dunn
	OPEN DISCUSSION		ALL

3:30 PM - 3:45 PM	BREAK
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3:45 PM	TRAINING AND EDUCATION		
	ORNL	NCSP Training and Education Program Plan	Calvin Hopper
	ANL	NCSET Module 16: Burnup Credit for Criticality Safety Analysis of Commercial Spent Nuclear Fuel	Dick McKnight
	LLNL	NCSP 4-Day Hands-On Criticality Course at LLNL	Catherine Percher
	SNL	Critical Experiment Training at Sandia	Gary Harms
	OPEN DISCUSSION		ALL
	GENERAL DISCUSSION/CONCLUSION		ALL

5:30 PM	ADJOURN
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